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IJA

Docket No.: 0104-003-006-000000
Customer No. 44,765

**Mail Stop After Final
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

**POST-FILING TRANSMITTAL
AND FEE TRANSMITTAL**

Inventors: Clarence T. Tegreene

TITLE: MOTE NETWORKS HAVING DIRECTIONAL ANTENNAS

Application No.: 10/813,967

Filing Date: March 31, 2004

Confirmation No.: 9160

ENCLOSURES

- Check
 - An Amendment / A response / A preliminary Amendment
 - Sheets of Drawings (Figs.)
 - A Declaration under 37 C.F.R. § 1.132 / A Supplemental Declaration
 - A Terminal Disclaimer
 - A Petition for Extension of Time
 - A Supplemental Information Disclosure Statement, Form PTO-1449, and 8 Copies of Citations including an International Search Report
 - A Petition to the Director
 - A Notice of Appeal / Appeal Brief.

LARGE ENTITY FEE CALCULATION

METHOD OF PAYMENT

Payment enclosed Check Money Order Other

The Commissioner is hereby authorized to

Charge indicated fees and credit any over payments to Deposit Account No. _____

Charge any additional fees required under 37 C.F.R. §§ 1.16 and 1.17 to Deposit Account No. 502857.

Submitted by:

Dale Cook

Attorney

Reg. No. 42,434

<http://isf.intven.com/Shared%20Documents/Patents%20Filed-Active%20Drafts/Data%20Architecture-003/0104-003-006-Mote%20Networks%20Having%20Directional%20Antennas/fee%20trans-response%20fee-large-SIDS.doc>

DRC
09 Jan 2007

Date



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop AF, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 2313-1450.

Date

January 9, 2007

Jennifer Badley

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Clarence T. Tegreene
Application No. : 10/813,967
Filed : March 31, 2004
TITLE : MOTE NETWORKS HAVING DIRECTIONAL
ANTENNAS
Confirmation No. : 9160

Examiner : Wendell, Andrew
Art Unit : 2618
Docket No. : 0104-003-006-000000
Customer No. : 44,765

Mail Stop AF
Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
SUBMITTED AFTER FINAL OFFICE ACTION AND
PETITION UNDER 37 C.F.R. § 1.97(d)

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicant brings to the attention of the Examiner the documents listed on the attached PTO-1449 (substitute form). This Information Disclosure Statement is being filed after a Final Office Action,

and is accompanied by the petition fee and certification as specified under § 1.97(e). Applicant respectfully petitions and requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. Pursuant to 37 CFR 1.98(a)(2), copies of the foreign patent documents and non-patent literature are attached.

Applicant is supplying a copy of the International Search Report. Applicant notes that the International Search Report has not been generated under U.S. law and therefore has little, if any, applicability to the instant case. However, the International Search Report is being cited to the examiner for the sake of completeness and courtesy.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

In accordance with Section 1.97(c), the required fee is being submitted. The Director is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 502857. A duplicate copy of this sheet is enclosed.

Based on reasonable inquiry, no document listed in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of this Information Disclosure Statement.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Dale Cook
Attorney
Registration No. 42,434

DRC:jmb

Enclosures:

Postcard

Check

Copy of this Information Disclosure Statement

Form PTO-1449 (substitute)

Cited References (8) – Including a copy of the International Search Report

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|--|---|----|------------------------|
| Substitute for form 1449A/PTO | | | |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS | | | |
| (Use as many sheets as necessary) | | | |
| Sheet | 1 | of | 2 |
| | | | Attorney Docket Number |
| | | | 0104-003-006-000000 |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|-----------------------|--|----------------------------|--------------------|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Number Number-Kind Code ² (if known) | Issue Date (MM-DD-YYYY) | Name of Patentee |
| | AA | 7,103,511 B2 | 09-05-2006 | Petite, Thomas D. |
| | AB | 7,016,812 B2 | 03-21-2006 | Aritsuka et al. |
| | AC | 6,950,778 B2 | 09-27-2005 | Warner et al. |
| | AD | 6,888,453 B2 | 05-03-2005 | Lutz et al. |
| | AE | 6,792,321 B2 | 09-14-2004 | Sepe, Jr., Raymond |
| | AF | 6,618,745 B2 | 09-09-2003 | Christensen et al. |
| | AG | 6,088,665 | 07-11-2000 | Burns et al. |

| U.S. PATENT APPLICATION DOCUMENTS | | | | |
|-----------------------------------|-----------------------|--|----------------------------------|-------------------|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Application Publication Number Number-Kind Code ² (if known) | Publication Date (MM-DD-YYYY) | Name of Applicant |
| | AH | 2006/0136627 A1 | 06-22-2006 | Maity et al. |
| | AI | 2004/0008140 A1 | 01-15-2004 | Sengupta et al. |
| | AJ | 2003/0228857 A1 | 12-11-2003 | Maeki, Akira |
| | AK | 2003/0222818 A1 | 12-04-2003 | Regnier et al. |
| | AL | 2003/0172221 A1 | 09-11-2003 | McNeil, Donald H. |
| | AM | 2002/0123864 A1 | 09-05-2002 | Eryurek et al. |
| | AN | 2002/0027504 A1 | 03-07-2002 | Davis et al. |

| FOREIGN PATENT DOCUMENTS | | | | |
|--------------------------|-----------------------|---|----------------------------------|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date (MM-DD-YYYY) | Name of Patentee or Applicant of Cited Document |
| | AO | | | T ⁶ |

OMB 0651-0031

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

| | | | |
|--|--|------------------------|----------------------|
| Substitute for form 1449A/PTO | | Application Number | 10/813,967 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS <i>(Use as many sheets as necessary)</i> | | Filing Date | March 31, 2004 |
| | | First Named Inventor | Clarence T. Tegreene |
| | | Group Art Unit | 2618 |
| | | Examiner Name | Andrew Wendell |
| Sheet 2 of 2 | | Attorney Docket Number | 0104-003-006-000000 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | |
| | AP | ADLER, ROBERT et al.; "Demo Abstract: Intel Mote 2: An Advanced Platform for Demanding Sensor Network Applications"; Intel Corporation; bearing dates of November 2-4, 2005; p. 298; (plus cover sheet) | |
| | AQ | DUTTA, PRABAL K. et al.; "System Software Techniques for Low-Power Operation in Wireless Sensor Networks"; Computer Science Division, University of California, Berkeley; bearing a date of 2005; pp. 924 – 931; (plus cover sheet) | |
| | AR | KRAUSE, ANDREAS et al.; "Near-optimal Sensor Placements: Maximizing Information while Minimizing Communication Cost"; bearing dates of April 19-21, 2006; pp. 2 – 10; (plus cover sheets) | |
| | AS | LU, JIE et al.; "User Modeling for Full-Text Federated Search in Peer-to-Peer Networks"; Language Technologies Institute, Carnegie Mellon University; bearing dates of August 6 – 11, 2006; pp. 332 – 339; (plus cover sheet) | |
| | AT | NACHMAN, LAMA et al.; "The Intel ® Mote Platform: A Bluetooth*-Based Sensor Network for Industrial Monitoring"; Corporate Technology Group, Intel Corporation; bearing a date of 2005; pp.1 – 6; (plus cover sheet) | |
| | AU | PCT International Search Report; International App. No. PCT/US05/10054; 01 December 2006 | |
| | AV | RAZEEB, KAFIL M. et al.; "A Hybrid Network of Autonomous Sensor Nodes"; NMRC, University College Cork; bearing dates of November 8 – 10, 2004; pp. 69 – 70; (plus cover sheet) | |
| | AW | SHARIFZADEH, MEHDI et al.; "Supporting Spatial Aggregation in Sensor Network Databases*"; Computer Science Department, University of Southern California; bearing dates of November 12 – 13, 2004; pp. 166 – 175; (plus cover sheet) | |

OMB 0651-0031

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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